

PATENT CLAIMS

1. A sieve with a screen (2 or 8) having openings and beaters (7) that are underneath the screen and that can strike the lower face of the screen in order to free the screen from material plugging the screen openings, characterized in that the beaters (7) are mounted on an elongated longitudinally tensioned actuating element (5), such as a cable or belt, that extends underneath the screen (2 or 8).

2. The sieve according to one of the preceding claims, characterized in that the actuating element (5) extends transversely, longitudinally, or diagonally of a movement direction of the material being sieved.

3. The sieve according to claim 1, characterized in that the screen (2) is formed by a replaceable screen assembly that is surrounded by a downwardly projecting frame (3) so that a sieve can be formed by several such screen assemblies.

4. The sieve according to claim 2, characterized in that ends (6) of the actuating elements (5) are solidly releasably connected or latched to the frame (3) of the screen (2).

5. The sieve according to claim 1, characterized in that the beaters (7) are provided underneath a screen (8) spanned over a

full working width of a sieve, ends of the actuating elements (5) carrying two or more beaters (7) being fixed to side walls (11) of the sieve.

5 6. The sieve according to claim 4, characterized in that ends (6) of the actuating element (5) are solidly releasably connected or latched to side walls of the sieve.

7. The sieve according to claim 4 or 5, characterized in that transverse beams (12) are mounted between the beaters (7) in a lower region of the sieve and support the actuating elements (5).

10 8. The sieve according to claim 6, characterized in that the transverse beams (12) extend transversely or longitudinally of a movement direction of the material being sieved.

15 9. The sieve according to claims 4 to 7, characterized in that the screen (8) is releasably attached, in particular by hooking, at two opposite edges on side walls (11) of the sieve.

10. The sieve according to one of the preceding claims, characterized in that the actuating element (5) extends through the beaters (7).

20 11. The sieve according to one of the preceding claims, characterized in that the beaters (7) are spherical.

12. The sieve according to one of the preceding claims, characterized in that a lower face of the screen is provided with projecting flat iron bars that are embedded in the plastic of the screen and that serve as attachment points for the actuating
5 elements.